

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NMLC-028375B	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTED OR TRIBE NAME	
2. NAME OF OPERATOR Chi Operating, Inc. 4378 915/685-5001		7. UNIT AGREEMENT NAME 23833	
3. ADDRESS AND TELEPHONE NO. P. O. Box 1799 Midland, Texas 79702		8. FARM OR LEASE NAME, WELL NO. Amber Federal Com.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' FSL & 2105' FWL At proposed prod. zone Same Unit N		9. API WELL NO. 30-015-30473	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 11 road miles E of Artesia, NM		10. FIELD AND POOL, OR WILDCAT Logan Draw Morrow	
16. NO. OF ACRES IN LEASE 1205.42		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11-T17S-R27E	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		12. COUNTY OR PARISH Eddy	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		13. STATE New Mexico	
19. PROPOSED DEPTH 9,200'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3430' GL		22. APPROX. DATE WORK WILL START* Oct. 19, 1998	

PROPOSED CASING AND CEMENT **ROSWELL CONTROLLED WATER BASIN**

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"H-40	48.0# STC	400'	Circ. 400 sx
11"	8 5/8"K-55	24.0# STC	1,500'	Circ. 700 sx
7 7/8"	4 1/2"N-80	11.6# LTC	9,200'	Tieback 700 sx "H"

Mud Program

0' - 350' : Fresh water Gel/Lime:
350' - 1,500': Cut Brine:
1,500' - 8,500': Cut Brine, seep. control:
8,500' - 9,200': Cut Brine, seep. control:

Mud Wt.

8.6- 9.0 ppg
10.0-10.2 ppg
10.0-10.2 ppg
10.0-10.5 ppg

- Vis.

34 - 36
28 - 29
28 - 29
36 - 40

- W/L Control

No W/L control
No W/L control
No W/L control
W/L control 10cc +/-

BOP Program:

A 13 3/8" 5000 psi wp Shaffer Type LWS Double Gate BOP will installed on the 13 3/8" casing and BOP will be tested before drilling out with 11" and will be tested daily.

Post FD-1
11-6-98
APR + LOC

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED George R. Smith TITLE Agent for: Chi Operating, Inc. DATE Sept. 25, 1998

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

Acting

Assistant Field Office Manager,
Lands and Minerals

(ORIG. SGD.) ARMANDO A. LOPEZ

APPROVED BY _____ TITLE _____ DATE OCT 28 1998

*See Instructions On Reverse Side

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name Logan Draw Morrow
Property Code	Property Name AMBER FEDERAL COM		Well Number 1
OGRID No.	Operator Name CHI OPERATING, INC.		Elevation 3430.

10 Surface Location

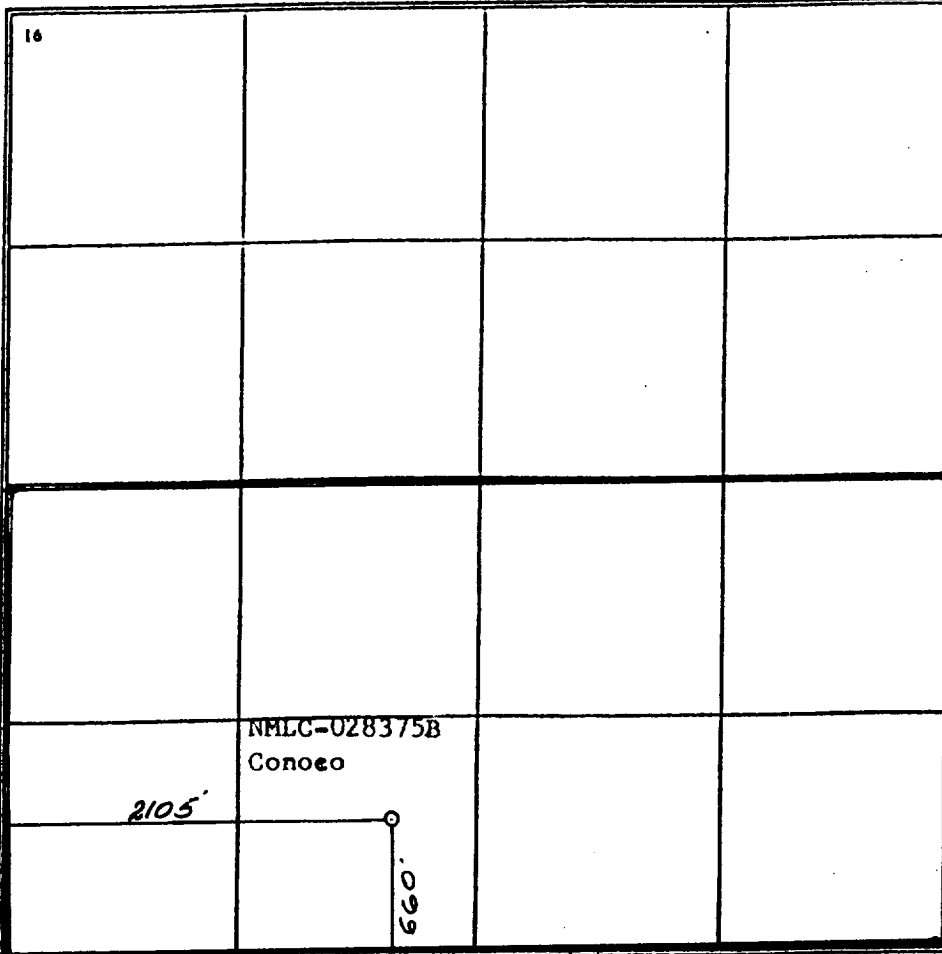
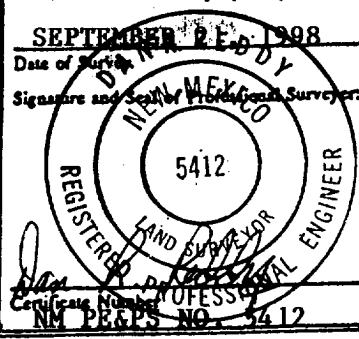
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	11	17-S	27-E		660	SOUTH	2105	WEST	EDDY

11 Bottom Hole Location If Different From Surface

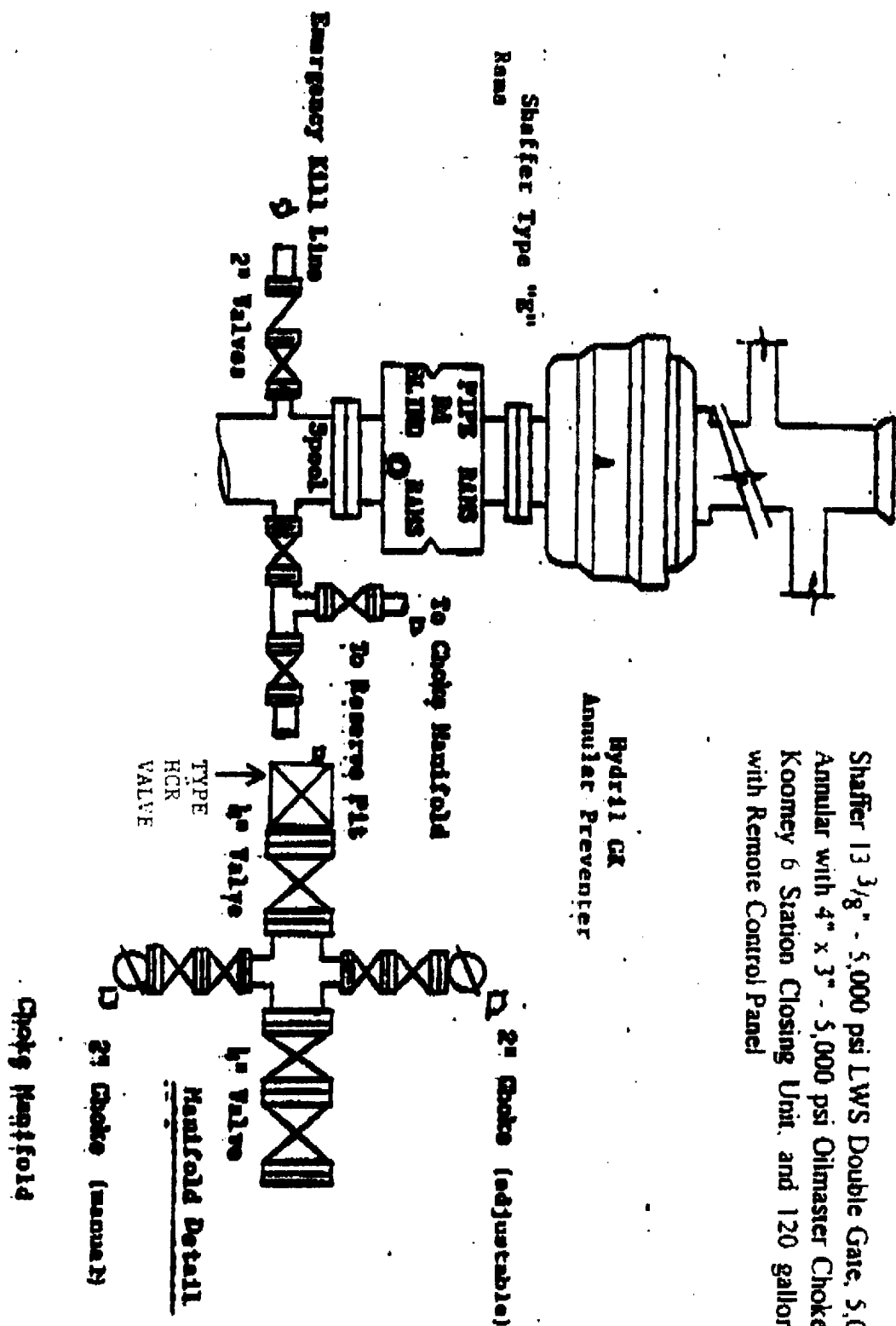
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code C	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p> 				<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>George R. Smith</i> Signature George R. Smith, agent for: Printed Name Chi Operating, Inc. Title Sept. 25, 1998 Date</p>	
				<p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>SEPTEMBER 25, 1998 Date of Survey Signature and Seal of Professional Surveyor: </p>	

BLOWOUT PREVENTER SCHEMATIC



Shafter 13 3/8" - 5,000 psi LWS Double Gate, 5,000 psi Shafter Annular with 4" x 3" - 5,000 psi Oilmaster Choke Manifold and Kookey 6 Station Closing Unit, and 120 gallon Accumulator with Remote Control Panel

EXHIBIT "E"
CHI OPERATING, INC.
Amber Federal Com., Well No. 1
BOP Specifications